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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/798,107	03/10/2004	Toshiya Matsuse	MM4701	5928		
.75	90 06/16/2005	EXAM	EXAMINER			
	N, EUGENE WYATT,	FERGUSON,	FERGUSON, MARISSA L			
99 PARK AVE	ROURKE, L.L.P. NUE	ART UNIT	PAPER NUMBER			
NEW YORK, 1	NY 10016	2854				
			DATE MAILED: 06/16/2005	DATE MAILED: 06/16/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

					H:		
		Application No.		Applicant(s)			
Office Action Summary		10/798,107		MATSUSE, TOSHIYA			
		Examiner		Art Unit			
		Marissa L. Fergu		2854			
Period fo	The MAILING DATE of this communication app or Reply	ears on the cove	r sheet with the c	orrespondence add	dress		
THE - Exte after - If the - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPL'MAILING DATE OF THIS COMMUNICATION. nsions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a reply of period for reply is specified above, the maximum statutory period we tree to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, how y within the statutory mi will apply and will expire , cause the application t	ever, may a reply be tim nimum of thirty (30) days SIX (6) MONTHS from o become ABANDONEI	ely filed s will be considered timely the mailing date of this co O (35 U.S.C. § 133).			
Status							
1)[X]	Responsive to communication(s) filed on 31 M	larch 2005.					
	This action is FINAL . 2b) This action is non-final.						
3)	/-						
7,2	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposit	ion of Claims						
5)□ 6)⊠ 7)⊠	Claim(s) 1-8 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. Claim(s) is/are allowed. Claim(s) 1.2 and 4-8 is/are rejected. Claim(s) 3 is/are objected to. Claim(s) are subject to restriction and/or election requirement.						
Applicat	ion Papers						
10)⊠	The specification is objected to by the Examine The drawing(s) filed on 10 March 2004 is/are: Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Ex	a)⊠ accepted o drawing(s) be held tion is required if th	I in abeyance. See ne drawing(s) is obj	e 37 CFR 1.85(a). lected to. See 37 CF	FR 1.121(d).		
Priority (under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
2) Notice 3) Infor	ot(s) ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) er No(s)/Mail Date		Paper No(s)/Mail Da)-152)		

DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1,2 and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yamada (US Patent 6,565,273) in view of Ando (JP 2002-338095).

Regarding claims 1 and 8, Yamada teaches a bottom panel (4a), a fixed side panel (4b,4c) defining one side of the roll paper compartment in alignment with the width of the printer parallel to its longitudinal axis, a movable partition (7) defining another side of the roll paper compartment in substantial alignment with the width of the printer to adjustably accommodate different widths (Abstract) of roll paper and to facilitate placement of a remaining paper detector (44 and Column 5, Lines 44-48) in the roll paper compartment for detecting if the paper remaining on the paper roll is less than or equal to a predetermined amount and a movable divider (7) being removably (Column 5, Lines 41-43) assembled to the bottom panel, a movable partition (7) located opposite a fixed panel (4b,4c) with one or more connecting members (47,72) for detachably connection a movable partition to a bottom panel (Figure 4a show the connections and Figure 5 shows how the partition connects with the connections) and

having a detector (44) mounting part for removably installing a remaining paper detector. However, he does not explicitly disclose a movable divider that can assume a plurality of different positions laterally displaced from one another in alignment with a fixed side panel.

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Ando teaches a partitioning member (31) with positioning parts that moves or slides on a slide shaft (23) in order to provide width adjustments for a paper roll. It would have been obvious at the time the invention was made to a person having ordinary skill in the art to modify the invention as taught by Yamada to replace the partitioning member thereof with a movable partitioning member as taught by Ando, since Ando teaches that is advantageous to have the easily adjust not only a standard width roll paper but also roll papers with different widths

Regarding claim 2, the proposed modification of Yamada results in a divider removably connected to one of a multiple number of positions in said roll paper compartment space apart along the bottom panel for adjusting the location of the divider widthwise to the printer (Column 2, Lines 31-54).

2. Claims 4-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yamada (US Patent 6,56,273) in view of Ando (JP 2002-338095) as applied to claims 1 and 2 above, and further in view of Hosomi et al. (US Patent 5,820,068).

Regarding claims 4 and 7, Yamada and Ando both teach the claimed invention with the exception of a remaining paper detector that is removably and adjustably mounted to one surface of a movable divider, so that the detector element can be positioned at a plurality of different angular positions. Hosomi et al. teaches a printer

with a removably and adjustably mounted paper end-detecting unit (64) that is or can be positioned at different angular positions (Column 1, Lines 1-6 and Column 8, Lines 8-18) around a bolt (25). It would have been obvious at the time the invention was made to a person having ordinary skill in the art to modify the invention as taught by Yamada to replace the stationary detector thereof with the removable and adjustable paper detector as taught by Hosomi et al., since Hosomi et al. teaches that is advantageous to provide a simple structure that can improve workability at multiple angles.

Regarding claims 5 and 6, Yamada teaches the claimed invention with the exception of a detector element positioned at a specified height from the bottom panel and a detector element contacting a side of the paper roll stored in the roll paper compartment at a fixed height relative to a bottom panel with a paper roll having a hollow core for supporting the paper roll wherein the position of the detector element varies with the level of the hollow core in the roll paper compartment such that when the remaining roll paper drops below a predetermined level the detector element enters the hollow core and a detector that is adjustably mounted upon the divider so that the detector element height relative to the remaining paper detector can be adjusted. Hosomi et al. teaches a printer with a adjustably mounted detection unit that can be positioned at a height from a bottom panel with a paper roll with a hollow core that when the remaining roll paper drops below a level the detector enters the hollow core (Column 8, Lines 8-27, Lines 40-45 and Column 9, Lines 14-36).

It would have been obvious at the time the invention was made to a person having ordinary skill in the art to modify the invention as taught by Yamada to replace

the stationary detector thereof with the height adjustable detector as taught by Hosomi et al., since Hosomi et al. teaches that it is advantageous to maintain a constant relationship between a detecting means and recording paper when moved, in order to provide enhanced efficiency and quality detection.

Allowable Subject Matter

3. Claim 3 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: Regarding claim 3, the prior art does not teach or render obvious a divider comprising a plurality of pins or a plurality of recessed holes and wherein the bottom panel has a set of complementary holes for inserting the pins, or a set of complementary pins for insertion into the recessed holes, at a selected one of the multiple positions widthwise to the printer.

Response to Arguments

4. Applicant's arguments with respect to claims 1-8 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marissa L Ferguson whose telephone number is (571) 272-2163. The examiner can normally be reached on (M-T) 6:30am-4:00pm and every other (F) 7:30am-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Hirshfeld can be reached on (571) 272-2168. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Marissa L Ferguson Examiner Art Unit 2854

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